

# WEST Search History

DATE: Wednesday, June 25, 2003

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

L28	L19 and L22	0	L28
L27	L19 and L21	0	L27
L26	L19 and L25	0	L26
L25	L10 and L24	4	L25
L24	L9 and L23	4	L24
L23	L2 and L21	4	L23
L22	L8 and L21	19712	L22
L21	L11 and L7	19712	L21
L20	L11 and L19	0	L20
L19	L8 and L18	10	L19
L18	L17 and L10	10	L18
L17	L9 and L16	10	L17
L16	L12 and L2	10	L16
L15	L1 and L14	33	L15
L14	L10 and L13	477	L14
L13	L9 and L12	682	L13
L12	L6 and L7	1279	L12
L11	insulin	42912	L11
L10	pharmaceutical near5 (composition or preparation or pharmaceutic or nutraceutical)	145216	L10
L9	(pharmaceutical carrier or liposome or lipid emulsion or microemulsion or polymer micelle or micelle or microcapsule or microsphere or magnetic particle)	138257	L9
L8	(doxorubicin or peptide or enzyme or protein or insulin or enkephalin)	470681	L8
L7	(reducing sugar or glucose or xylose or fructose)	135819	L7
L6	enkephalin	3255	L6
L5	L2 and L1	4	L5
L4	L2 and L3	0	L4
L3	insulin near5 reducing sugar	2	L3
L2	no amide bond	41	L2
L1	(doxorubicin or peptide or enzyme or protein)near5 (reducing sugar or glucose or xylose or fructose)	12765	L1

END OF SEARCH HISTORY

## Case Creation Option

Case "UPd09869049" already exists. Please overwrite it or cancel the operation.

### The Contents of Case "UPd09869049"

Qnum	Query	DB Name	Thesaurus	Operator	Plural
Q1	(doxorubicin or peptide or enzyme or protein)near5 (reducing sugar or glucose or xylose or fructose)	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q2	no amide bond	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q3	insulin near5 reducing sugar	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q4	Q2 and Q3	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q5	Q2 and Q1	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q6	enkephalin	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q7	(reducing sugar or glucose or xylose or fructose)	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q8	(doxorubicin or peptide or enzyme or protein or insulin or enkephalin)	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q9	(pharmaceutical carrier or liposome or lipid emulsion or microemulsion or polymer micelle or micelle or microcapsule or microsphere or magnetic particle)	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q10	pharmaceutical near5 (composition or preparation or pharmaceutical or nutraceutical)	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q11	insulin	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES

Q12	Q6 and Q7	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q13	Q9 and Q12	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q14	Q10 and Q13	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q15	Q1 and Q14	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q16	Q12 and Q2	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q17	Q9 and Q16	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q18	Q17 and Q10	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q19	Q8 and Q18	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q20	Q11 and Q19	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q21	Q11 and Q7	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q22	Q8 and Q21	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q23	Q2 and Q21	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q24	Q9 and Q23	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q25	Q10 and Q24	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q26	Q19 and Q25	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q27	Q19 and Q21	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES
Q28	Q19 and Q22	USPT,PGPB,JPAB,EPAB,DWPI	None	ADJ	YES

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## \* NOTICES \*

The Japanese Patent Office is not responsible for any damages caused by the use of this translation.

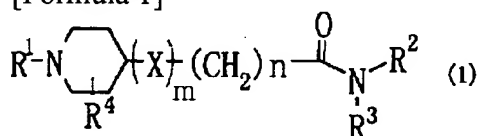
1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

## CLAIMS

[Claim(s)]

[Claim 1] The piperidine derivative shown by the following general formula 1.

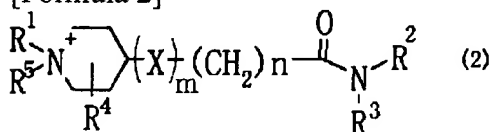
[Formula 1]



R1 is the alkyl group or alkenyl machine of hydrogen and the carbon numbers 1-8 among a formula 1. R2 and R3 Or it differs and is the alkyl group or alkenyl machine of hydrogen (however, when both R2 and R3 are hydrogen, it removes), and the carbon numbers 1-25. an identity -- R4 Hydrogen, the alkyl group of carbon numbers 1-8 or an alkenyl machine, and X are -O- or -S-, m is 0 or 1 and n shows the integer of 0, or 1-10. Moreover, when an asymmetrical carbon exists in a molecule, any of racemic modification and the optically active substance are sufficient as the compound.

[Claim 2] The piperidine derivative shown by the following general formula 2.

[Formula 2]



Or it differs and is the alkyl group or alkenyl machine of carbon numbers 1-8. the inside of a formula 2, and R1 and R5 -- an identity -- R2 and R3 Or it differs and is the alkyl group or alkenyl machine of hydrogen (however, when both R2 and R3 are hydrogen, it removes), and the carbon numbers 1-25. an identity -- R4 Hydrogen, the alkyl group of carbon numbers 1-8 or an alkenyl machine, and X are -O- or -S-, m is 0 or 1 and n shows the integer of 0, or 1-10. Moreover, when an asymmetrical carbon exists in a molecule, any of racemic modification and the optically active substance are sufficient as the compound.

[Claim 3] Medicine support which makes a constituent a piperidine derivative according to claim 1 to 2.

[Claim 4] Medicine support according to claim 3 which comes to enclose the medicine for diagnosing and/or treating with the aforementioned medicine support.

[Claim 5] Medicine support according to claim 3 to 4 which consists of the minute grain whose path of the aforementioned support is 0.02-250 micrometers.

**[Claim 6]** Medicine support according to claim 3 to 5 by which the aforementioned support is constituted from at least one of a macromolecule, fine aggregate, particle, minute sphere, and nano corpuscle, a liposome, and emulsions.

[Claim 7] Medicine support according to claim 3 to 6 in which the aforementioned support contains a lipid other than phospholipid or its derivative, and/or phospholipid or its derivative, a stabilizing

agent, an antioxidant, and/or other surface modification agents.

[Claim 8] Medicine support according to claim 3 to 7 whose medicines for above-diagnosing and/or treating are a nucleic acid, a polynucleotide, a gene, and its analog.

[Claim 9] The medicine for above-diagnosing and/or treating An anti-inflammatory agent, an anticancer agent, An enzyme agent, an enzyme inhibitor, an antibiotic, an anti-oxidant, a lipid incorporation inhibitor, a hormone drug, An angiotensin conversion enzyme inhibitor, an angiotensin acceptor antagonist, Propagation and migration inhibitor of a smooth muscle cell, a platelet-aggregation inhibitor, the disengagement inhibitor of a chemical mediator, Medicine support according to claim 3 to 7 which is propagation or the inhibitor, the aldose reductase inhibitor, the mesangial-cell growth-inhibition agent, the lipoxygenase inhibitor, the immunosuppressant, the immunostimulator, the antiviral, or radical \*\*\*\*\* char of an endothelial cell.

[Claim 10] Medicine support according to claim 3 to 7 whose medicines for above-diagnosing and/or treating are a glycosaminoglycan and its derivative.

[Claim 11] Medicine support according to claim 3 to 7 whose medicines for above-diagnosing and/or treating are oligo and/or polysaccharides, and those derivatives.

~~[Claim 12]~~ Medicine support according to claim 3 to 7 whose medicine for above-diagnosing and/or treating is protein or a peptide.

[Claim 13] Medicine support according to claim 3 to 7 whose medicines for above-diagnosing and/or treating are various in-the-living-body diagnostic drugs, such as an X-ray contrast medium, a radioisotope indicator nuclear-medicine diagnostic drug, and a diagnostic drug for a nuclear-magnetic-resonance diagnosis.

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[Translation done.]